

**bs-5496R****[ Primary Antibody ]****phospho-MAP3K7IP1 (Thr431) Rabbit pAb****BioSS**  
**ANTIBODIES**

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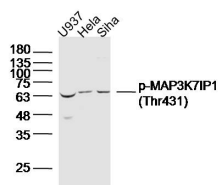
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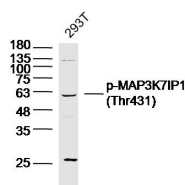
400-901-9800

**— DATASHEET —**

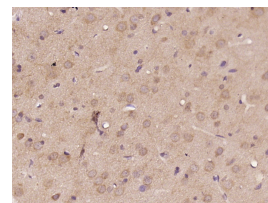
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 10454	<b>SWISS:</b> Q15750	<b>IHC-F</b> (1:100-500)
<b>Target:</b> phospho-MAP3K7IP1 (Thr431)		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human MAP3K7IP1 around the phosphorylation site of Thr431: EA(p-T)PT.		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 56 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> TAB1 was identified as a regulator of the MAP kinase kinase kinase TAK1/MAP3K7, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta and members of the Toll IL 1R (TIR) superfamily, thus acting as an intermediate in both proliferative and innate and adaptive immune responses. This protein, together with either TAB2 or TAB3, activates TAK1 kinase in response to upstream signals. It has been shown that the C terminal portion of TAB1 is sufficient for binding and activation of TAK1, while a portion of the N terminus acts as a dominant negative inhibitor of TGF beta, demonstrating how this protein can function as a mediator between TGF beta receptors and TAK1.		

**— VALIDATION IMAGES —**

Sample: U937 Cell (Human) Lysate at 40 ug  
 Cell (Human) Lysate at 40 ug  
 SiHa Cell (Human) Lysate at 40 ug  
 Primary: Anti-phospho-MAP3K7IP1 (Thr431)(bs-5496R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 56kD  
 Observed band size: 65kD



Sample: 293T Cell (Human) Lysate at 40 ug  
 Primary: Anti-phospho-MAP3K7IP1 (Thr431)(bs-5496R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 56kD  
 Observed band size: 60kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain);  
 Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min;  
 Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes;  
 Blocking buffer (normal goat serum) at 37°C for 30min;  
 Antibody incubation with (phospho-MAP3K7IP1 (Thr431)) Polyclonal Antibody, Unconjugated (bs-5496R) at 1:400 overnight at 4°C,  
 followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.